

What is claimed is:

1. A method for performing an inter-packet data service node (PDSN) hard handoff, comprising the steps of:

5 (a) setting up a channel link passing through a target base station controller (T-BSC), a source base station controller (S-BSC), a source packet control function (S-PCF) and a source-PDSN (S-PDSN) by establishing a channel link between the S-BSC and the T-BSC via a mobile station center (MSC) in an active packet session mode;

(b) performing the hard handoff between the S-BSC, the T-BSC and a mobile station (MS); and

10 (c) transmitting or receiving user packet data exchanged between the MS and the T-BSC through the established channel link to or from the S-PDSN in case the hard handoff is completed.

2. The method according to claim 1, further comprising the steps of:

20 (d) establishing a channel link between the T-BSC, a target packet control function (T-PCF) and a target-PDSN (T-PDSN) in a dormant packet session mode;

(e) releasing the channel link set up between the S-BSC, the S-PCF and the S-PDSN;

25 (f) releasing the channel link established between the S-BSC and the MSC, which is set up in the step (a); and

(g) performing a point-to-point (PPP) establishing

process and a mobile Internet protocol (MIP) registering process between the MS and the T-PDSN.

3. The method according to claim 1, wherein the step

5 (a) includes the step of:

(a1) transmitting a Handoff Required message from the S-BSC to the MSC and establishing the channel link between the S-BSC and the MSC.

10 4. The method according to claim 3, wherein, in the step (a1), the channel link between the S-BSC and the MSC is established by including a circuit identification code (CIC) as an extender in the Handoff Required message.

15 5. The method according to claim 1, wherein the step (a) includes the step of:

(a2) transmitting a Handoff Request message from the MSC to the T-BSC and establishing the channel link between the MSC and the T-BSC.

20 6. The method according to claim 5, wherein, in the step (a2), the channel link between the MSC and the T-BSC is set up by including a circuit identification code (CIC) as an extender in the Handoff Request message.

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